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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/512,268 | 02/24/2000 | Makiko Mori | 862.C1847 | 5969 |

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EXAMINER

TRAN, TRANG U

ART UNIT PAPER NUMBER

2614

DATE MAILED: 09/11/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

HC

| | | | |
|------------------------------|------------------------|---------------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 09/512,268 | MORI ET AL. | |
| | Examiner | Art Unit | |
| | Trang U. Tran | 2614 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
 If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>5</u> . | 6) <input type="checkbox"/> Other: |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1-6 and 8-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Kim (US Patent No. 6,172,719 B1).

In consider claim 1, Kim discloses all the claimed subject matter, note 1) the claimed detection means for detecting an environment of one of the controller and the image display is met by the chromaticity sensing section 21 and the temperature sensing section 28 (Fig. 2, col. 4, line 40 to col. 5, line 27), 2) the claimed first adjustment means, arranged in the controller, for adjusting a display characteristic of the image display is met by the contrast control section 24 or the brightness control section 25 which control the brightness of the picture to be display (Fig. 2, col. 5, lines 48-62), 3) the claimed second adjustment means, arranged in the image display, for

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adjusting the display characteristic of the image display is met by the white point control section 26 which controls the respective levels of the RGB primary color signals (Fig. 2, col. 5, line 63 to col. 6, line 7), and 4) the claimed third adjustment means for adjusting the display characteristic by either one of said first and second adjustment means in adjusting the display characteristic of the image display in accordance with a detection result of said detection means, wherein said third adjustment means adjusts the display characteristic by either one of said first and second adjustment means in accordance with an adjustment target is met by the control signals outputted from the microprocessor 22 for controlling either brightness, contrast or color temperature of the picture display (Fig. 2, col. 5, line 48 to col. 6, line 7).

In consider claim 2, the claimed wherein one of said first and second adjustment means performs adjustment when the detection result of said detection means changes not less than a predetermined degree is met by the referred to as "nature eyes" or "nature sensor" (col. 6, lines 20-42).

In consider claim 3, the claimed wherein adjustment is distributed to said first and second adjustment means in advance is met by the control signals outputted from the microprocessor 22 for controlling either brightness, contrast or color temperature of the picture display (Fig. 2, col. 5, line 48 to col. 6, line 7).

In consider claim 4, the claimed wherein the system further comprises transfer means for transferring the detection result of said detection means between the image display and the controller and capable of transferring an adjustment result obtained upon adjustment by one of the image display and the controller to the other, and one of

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the image display and the controller performs necessary adjustment by said adjustment means of the one when the detection result transferred by said transfer means is an environmental change requiring adjustment by the one is met by the microprocessor 22 and the decoder and D/A converter of the video processor 20 (Fig. 1, col. 1, line 35 to col. 2, line 65).

In consider claim 5, the claimed wherein said first adjustment means of the controller performs adjustment corresponding to a brightness change, such as contrast adjustment when a detection result of brightness detected by said detection means changes is met by the contrast control section 24 or the brightness control section 25 which control the brightness of the picture to be display (Fig. 2, col. 5, lines 48-62).

In consider claim 6, the claimed wherein said second adjustment means of the image display performs color temperature adjustment when a detection result of a color temperature detected by said detection means changes is met by the white point control section 26 which controls the respective levels of the RGB primary color signals (Fig. 2, col. 5, line 63 to col. 6, line 7).

In consider claim 8, the claimed wherein an adjustment result of said second adjustment means is informed to the controller is met by the control signals outputted from the microprocessor 22 for controlling either brightness, contrast or color temperature of the picture display (Fig. 2, col. 5, line 48 to col. 6, line 7).

Claims 9-16 are rejected for the same reason as discussed in claims 1-8, respectively.

Claim 17 is rejected for the same reason as discussed in claim 1.

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Claim 18 is rejected for the same reason as discussed in claim 1.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kim (US Patent No. 6,172,719 B1).

In consider claim 7, Kim discloses all the limitations of the instant invention as discussed in claims 1 and 3 above, except for providing the claimed wherein said second adjustment means of the image display performs volume adjustment in accordance with whether a telephone set is busy when a detection result of noise detected by said detection means changes. Performing volume adjustment of the image display is old and well known in the art. Therefore, the Official Notice has been taken. It would have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the old and well known volume adjustment into Kim's system in order to change the audio level to the suitable levels for the user.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Kim (US Patent No. 6,188,439 B1) discloses broadcast signal receiving device and method thereof for automatically adjusting video and audio signals.

Frederick et al. (US Patent No. 6,208,326 B1) disclose apparatus and associated method for selecting video display parameter of a computer-system, video display monitor.

Vogel et al (US Patent No. 6,049,359) disclose interface system for a television receiver.

Saiki et al. (US Patent No. 6,388,713 B1) disclose image display apparatus, and method to prevent or limit user adjustment of displayed image quality.

Nagai et al. (US Patent No. 5,982,449) disclose television receiver that provides gradation correction using a CPU.

Nohara et al. (US Patent No. 5,966,185) disclose electronic equipment and method of controlling electronic equipment.

Kitao et al. (US Patent No. 6,160,491) disclose remote controller, remote control interface, and remote control system including a remote controller and a remote control interface.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Trang U. Tran** whose telephone number is **(703) 305-0090**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **John W. Miller**, can be reached at **(703) 305-4795**.

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Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231


or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

TT:TT
September 4, 2002


JOHN MILLER
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600